

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: BDService
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 07/13/2017 02:18 PM
Cytometer Baseline: 04/21/2017 12:22 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125702	0	1.28	125601	1.24
Blue	F	SSC	125000	124485	-1	2.43	124949	2.25
Blue	E	FITC	23355	22817	-3	2.29	1013	10.27
Blue	D	PE	28848	28209	-3	1.87	1013	9.88
Blue	B	PerCP-Cy5-5	47791	47004	-2	3.19	1353	17.28
Blue	A	PE-Cy7	41358	41201	-1	4.9	638	36.3
Red	C	APC	51316	50606	-2	2.57	2935	9.3
Red	A	APC-Cy7	53225	52852	-1	2.6	1094	11.04
Violet	B	V450	14473	14031	-4	3.51	675	8.59
Violet	A	V500	59973	59077	-2	3.3	2618	5.87

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20085	3.46	612	14	N/A	N/A	Pass
Blue	F	SSC	61753	1.44	543	9	N/A	N/A	Pass
Blue	E	FITC	116	38.75	546	2	0.0207	182	Pass
Blue	D	PE	222	30	541	3	0.1627	283	Pass
Blue	B	PerCP-Cy5-5	210	45.69	632	2	0.0095	75	Pass
Blue	A	PE-Cy7	70	120.29	685	4	0.0113	14	Pass
Red	C	APC	345	26.96	591	-3	0.0207	53	Pass
Red	A	APC-Cy7	121	39.92	573	-3	0.0057	1699	Pass
Violet	B	V450	82	41.27	467	-4	0.0499	2039	Pass
Violet	A	V500	192	20.34	498	-3	0.0165	167	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.97	-31.30	0.85
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.33
Red	19.12	13.27 - 19.91	N/A	N/A	31.27	31.82	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9663

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments